

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error Count
1	BRS	L1	1	chi-conotoxin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/0 2 18:29			0
2	BRS	L2	1	neuronal adj amine adj transporter	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/0 2 18:30			0
3	BRS	L3	1	neuronal adj noradrenaline adj transporter	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/0 2 18:30			0
4	BRS	L4	1	chi-mria or chi-mrib	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/0 2 18:31			0
5	BRS	L5	373	conotoxin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/0 2 18:32			0
6	BRS	L6	1	5 same (2 or 3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/0 2 18:32			0
7	BRS	L7	0	chimeric same (1 or 6)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/0 2 18:33			0
8	BRS	L8	4074	(urinary or fecal) adj incontinence	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/0 2 18:34			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error
9	BRS	L9	211306	(cardiovascular adj disease) or arrhythmia or (coronary adj heart adj failure) or (mood adj disorder) or depression or anxiety or cravings or (chronic adj pain) or (neuropathic adj pain) or (inflammatory adj pain)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/02 18:37			0
10	BRS	L10	1	9 same (1 or 6)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/02 18:37			0

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(FILE 'HOME' ENTERED AT 18:45:37 ON 02 DEC 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA'
ENTERED AT

18:46:06 ON 02 DEC 2002

L1 2 S CHI-CONOTOXIN
L2 2 DUPLICATE REMOVE L1 (0 DUPLICATES REMOVED)
L3 2 S (NEURONAL AMINE TRANSPORTER)
L4 37 S NEURONAL NORADRENALINE TRANSPORTER
L5 4 S CHI-MRIA OR CHI-MRIB
L6 13986 S CONOTOXIN
L7 1 S L6 (P) (L3 OR L4)
L8 0 S L7 NOT L2
L9 1 DUPLICATE REMOVE L5 (3 DUPLICATES REMOVED)
L10 1 S L9 NOT L2
L11 40886 S (URINARY OR FECAL) (W) INCONTINENCE
L12 1012619 S (CARDIOVASCULAR DISEASE) OR ARRHYTHMIA OR
(CORONARY HEART FAI
L13 39152 S (CHRONIC PAIN) OR (NEUROPATHIC PAIN) OR
(INFLAMMATORY PAIN)
L14 0 S L1 (P) (L11 OR L12 OR L13)

=> log y

FILE 'HOME' ENTERED AT 18:45:37 ON 02 DEC 2002

=> file medline caplus biosis embase scisearch agricola

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 18:46:06 ON 02 DEC 2002

FILE 'CAPLUS' ENTERED AT 18:46:06 ON 02 DEC 2002

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FILE 'BIOSIS' ENTERED AT 18:46:06 ON 02 DEC 2002

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FILE 'EMBASE' ENTERED AT 18:46:06 ON 02 DEC 2002

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FILE 'SCISEARCH' ENTERED AT 18:46:06 ON 02 DEC 2002

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FILE 'AGRICOLA' ENTERED AT 18:46:06 ON 02 DEC 2002

=> s chi-conotoxin

L1 2 CHI-CONOTOXIN

=> duplicate remove l1

DUPLICATE PREFERENCE IS 'CAPLUS, EMBASE'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L1

L2 2 DUPLICATE REMOVE L1 (0 DUPLICATES REMOVED)

=> d l2 1-2 ibib abs

L2 ANSWER 1 OF 2 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 2001134193 EMBASE

TITLE: Composition and therapeutic utility of conotoxins from
genus Conus. Patent status 1996 - 2000.

AUTHOR: Jones R.M.; Cartier G.E.; McIntosh J.M.; Bulaj G.; Farrar
V.E.; Olivera B.M.

CORPORATE SOURCE: R.M. Jones, Cognetix Inc., 421 Wakara Way, Salt Lake City,
UT 84108, United States. rjones@cognetix.com

SOURCE: Expert Opinion on Therapeutic Patents, (2001) 11/4
(603-623).

Refs: 51

ISSN: 1354-3776 CODEN: EOTPEG

COUNTRY: United Kingdom

DOCUMENT TYPE: Journal; General Review

FILE SEGMENT: 008 Neurology and Neurosurgery
018 Cardiovascular Diseases and Cardiovascular Surgery
030 Pharmacology
032 Psychiatry
037 Drug Literature Index
039 Pharmacy

LANGUAGE: English

SUMMARY LANGUAGE: English

AB With an exponentially increasing body of scientific evidence pointing toward the potential of conotoxins for treatment of a wide variety of nervous system and associated neurological disorders, there has been an explosion of activity in this patent area with more than eighty new patents and PCT publications in the past five years. With the emergence of ziconotide (SNX-111, .omega.-conotoxin MVIIA) as the first clinically used conotoxin for treatment of a neurological disorder, the first part of the new millennium is likely to see many more new filings in this field. The majority of the applications from this period focus on those classes of conopeptides that interact with nicotinic acetylcholine receptors (nAChRs) together with those that block voltage-gated ion channels. This arena has

to date been dominated by three research groups: Neurex (a wholly-owned subsidiary of Elan, South San Francisco, CA, USA), Xenome and Institute for Molecular Bioscience (IMB), University of Queensland (Melbourne, Australia) and Cognetix (Salt Lake City, UT, USA) together with the University of Utah Research Foundation and the Salk Institute for Biological Studies (La Jolla, CA, USA).

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:241270 CAPLUS

DOCUMENT NUMBER: 132:288779

TITLE: Recombinant . ***chi*** .- ***conotoxin***

peptides for inhibiting neuronal amine transporters
INVENTOR(S): Lewis, Richard James; Alewood, Paul Francis; Sharpe, Iain Andrew

PATENT ASSIGNEE(S): The University of Queensland, Australia

SOURCE: PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000020444	A1	20000413	WO 1999-AU844	19991001
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9964530	A1	20000426	AU 1999-64530	19991001
EP 1117682	A1	20010725	EP 1999-952156	19991001
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002526098	T2	20020820	JP 2000-574555	19991001
PRIORITY APPLN. INFO.: AU 1998-6274 A 19981002				
WO 1999-AU844 W 19991001				

AB The invention relates to an isolated, synthetic or recombinant << ***chi*** - ***conotoxin*** peptide having the ability to inhibit a neuronal amine transporter, nucleic acid mols. encoding all or part of such peptides, antibodies to such peptides and uses and methods of treatment involving them.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s (neuronal amine transporter)

L3 2 (NEURONAL AMINE TRANSPORTER)

=> s neuronal noradrenaline transporter

L4 37 NEURONAL NORADRENALINE TRANSPORTER

=> s chi-mria or chi-mrib

L5 4 CHI-MRIA OR CHI-MRIB

=> s conotoxin

L6 13986 CONOTOXIN

=> s l6 (p) (l3 or l4)

L7 1 L6 (P) (L3 OR L4)

=> d his

(FILE 'HOME' ENTERED AT 18:45:37 ON 02 DEC 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT 18:46:06 ON 02 DEC 2002

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L6 13986 S CONOTOXIN
L7 1 S L6 (P) (L3 OR L4)

=> s l7 not l2
L8 0 L7 NOT L2

=> duplicate remove l5
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L9 1 DUPLICATE REMOVE L5 (3 DUPLICATES REMOVED)

=> s l9 not l2
L10 1 L9 NOT L2

=> d l10 1 ibib abs

L10 ANSWER 1 OF 1 MEDLINE
ACCESSION NUMBER: 2001486070 MEDLINE
DOCUMENT NUMBER: 21419681 PubMed ID: 11528421
TITLE: Two new classes of conopeptides inhibit the
alpha1-adrenoceptor and noradrenaline transporter.
AUTHOR: Sharpe I A; Gehrmann J; Loughnan M L; Thomas L; Adams D A;
Atkins A; Palant E; Craik D J; Adams D J; Alewood P F;
Lewis R J
CORPORATE SOURCE: Institute for Molecular Bioscience, University of
Queensland, Brisbane 4072, Australia.
SOURCE: NATURE NEUROSCIENCE, (2001 Sep) 4 (9) 902-7.
Journal code: 9809671. ISSN: 1097-6256.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: PDB-1IEN; PDB-1IEO
ENTRY MONTH: 200109
ENTRY DATE: Entered STN: 20010903
Last Updated on STN: 20010924
Entered Medline: 20010920
AB Cone snails use venom containing a cocktail of peptides ('conopeptides')
to capture their prey. Many of these peptides also target mammalian
receptors, often with exquisite selectivity. Here we report the discovery
of two new classes of conopeptides. One class targets alpha1-adrenoceptors
(rho-TIA from the fish-hunting Conus tulipa), and the second class targets
the neuronal noradrenaline transporter (***chi*** - ***MrIA*** and
chi - ***MrIB*** from the mollusk-hunting C. marmoreus). rho-TIA
and ***chi*** - ***MrIA*** selectively modulate these important
membrane-bound proteins. Both peptides act as reversible non-competitive
inhibitors and provide alternative avenues for the identification of
inhibitor drugs.

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L7 1 S L6 (P) (L3 OR L4)
L8 0 S L7 NOT L2
L9 1 DUPLICATE REMOVE L5 (3 DUPLICATES REMOVED)
L10 1 S L9 NOT L2

=> s (urinary or fecal) (w) incontinence
L11 40886 (URINARY OR FECAL) INCONTINENCE

=> s (cardiovascular disease) or arrhythmia or (coronary heart failure) or (mood disorder) or depr
3 FILES SEARCHED...

L12 1012619 (CARDIOVASCULAR DISEASE) OR ARRHYTHMIA OR (CORONARY HEART FAILUR
E) OR (MOOD DISORDER) OR DEPRESSION OR ANXIETY OR CRAVINGS

=> s (chronic pain) or (neuropathic pain) or (inflammatory pain)
L13 39152 (CHRONIC PAIN) OR (NEUROPATHIC PAIN) OR (INFLAMMATORY PAIN)

=> s l1 (p) (l11 or l12 or l13)
L14 0 L1 (P) (L11 OR L12 OR L13)

=> d his

(FILE 'HOME' ENTERED AT 18:45:37 ON 02 DEC 2002)

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L13 39152 S (CHRONIC PAIN) OR (NEUROPATHIC PAIN) OR (INFLAMMATORY PAIN)
L14 0 S L1 (P) (L11 OR L12 OR L13)

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	70.15	70.36
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

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